Tuesday, March 9, 2010

- 12:00 – 1:15 pm: Registration
- 1:15 – 1:30 pm: Opening remarks
- 1:30 – 2:30 pm: Keynote lecture
  - Pat Schnable, Iowa State University
    - "The Maize Genome: New Tools, Complexities and Opportunities"
- 2:30 – 3:00 pm: Break
- 3:00 – 5:00 pm: Session I: Marker-based breeding strategies
  - Luther Talbert, Montana State University
    - "Implementing marker-assisted selection in wheat variety development"
  - Brett Carver, Oklahoma State University
    - "Breeding wheat somewhere between the poverty level and the 99% confidence level"
  - Jerry Johnson, University of Georgia
    - "Marker-assisted selection in a soft red winter wheat breeding program"
  - Deven See, USDA-ARS Pullman, WA
    - "MAS and the future of cereal breeding; how should the genotyping centers fit?"
- 5:00 – 7:00 pm: Reception, poster session
- 7:00 pm: dinner
Wednesday, March 10, 2010

• 7:00 – 8:00 am: Breakfast, registration

• 8:00 – 10:00 am: **Session II: Application of physical maps/genome sequence to breeding**
  - Sebastien Praud, Biogemma
    - “Mining the Maize Genome: The Future Impact of Genomic-Assisted Approaches on Maize Breeding”
  - Michael Grosz, Monsanto
    - “Applications of whole genome sequencing”
  - Michael McMullen, USDA-ARS, Columbia, MO
    - “Using genetic diversity to understand phenotypic variation in maize”
  - Ronnie Green, Pfizer Animal Health
    - “Animal Genetics, Making Investments in Sequencing of Genomes Come to Life in the Livestock Industry”

• 10:00 – 10:30 am: Break

• 10:30 – 12:00 pm: **Session IV: Wheat Transformation**
  - Harold Trick, Kansas State University
    - “Resistance to wheat streak mosaic virus mediated by RNAi”
  - Tom Clemente, University of Nebraska-Lincoln
    - “Wheat biotechnology: Better late than never”
  - Darrell Hanavan, Colorado Wheat
    - “The political science of transgenic wheat”

• 12:00 – 1:00 pm: Lunch

• 1:00 – 2:30 pm: **Session III: Bioinformatics**
  - Dave Matthews, USDA-ARS, Cornell University
    - “GrainGenes, the Triticeae genome database”
  - Yong Gu, USDA-ARS, Albany, CA
    - “Brachypodium distachyon: a new model to study Triticeae genomes”
  - Jon Duvick, Iowa State University
    - “Cyberinfrastructure for (comparative) plant genome research through PlantGDB”

• 2:30 – 3:00 pm: Break

• 3:00 – 5:00 pm: **Session V: Early Career Scientists**
  - Will invite 3 graduate students, 2 postdocs, 1 early career PI: call for abstracts mid-November with a deadline of February 1, 2010.

• 5:00 – 6:00 pm: Closing remarks followed by open discussion on priorities